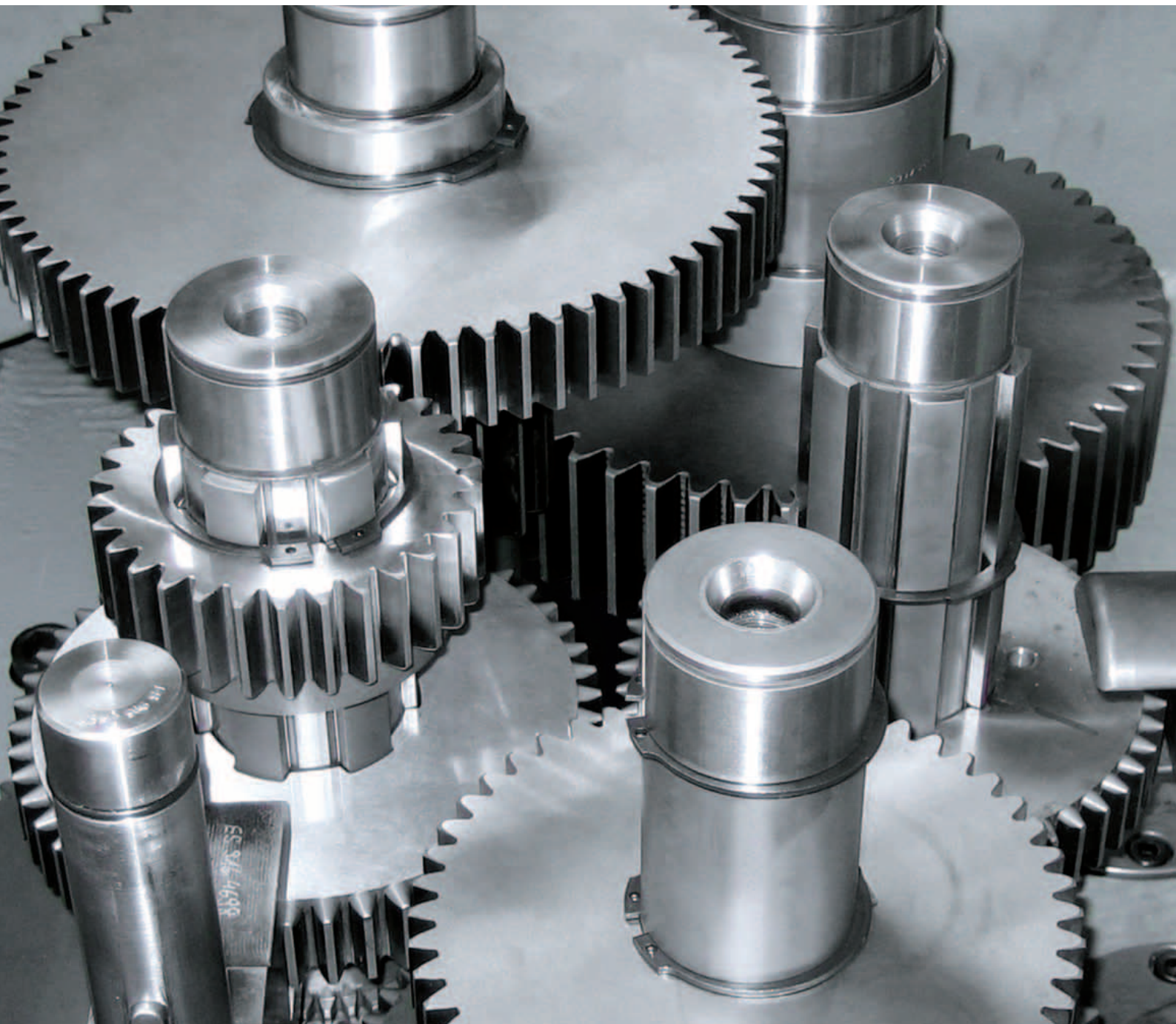


Your specialist for

spindle drives
planetary gearboxes
test bench gearboxes
spur gearboxes
bevel gearboxes
helical bevel gearboxes
extruder gearboxes
gearboxes for special
applications
drive elements



certified to
ISO 9001:2008
ISO 14001:2004 + Cor 1:2009

Gearboxes for machine tools

Energy-efficiency combined with high power density – our planetary gearboxes, right-angle gearboxes and control gearboxes are optimally adapted to the needs of the machine tool industry. We are one of the few suppliers to offer individually adjustable precision gears with performances of up to 300 kW mounted in anti-friction bearings.

RSGetriebe has committed itself to satisfying the demands of machine tool producers with a single innovative and universal main spindle drive. The result is the innovative planetary spindle drive PSD50 that drives the main spindle of all types of machine tools. The PSD 50 distinguishes itself by a low loss of en-

ergy and high performances coupled with a compact design with diameters of 320 mm and a length of 300 mm. Complementary series with up to 130 kW performances are also available.

Flexible and cost-effective – our planetary gearboxes, right-angle gearboxes

and control gearboxes consist of standardized components with freely selectable connection dimensions. In combination with the low loss of energy the precise components mark RSGetriebe set standards in regard to efficiency.



1

1 PSD50, Planetary spindle drive

P	50 kW
n ₂ max.	1,000 min ⁻¹ / i=4.385
n ₂ max.	8,000 min ⁻¹ / i=1
T ₂ max.	2,000 Nm / i=4.385 / n ₂ =228 min ⁻¹
T ₂ max.	470 Nm / i=1 / n ₂ =1,000 min ⁻¹
η	≥ 97%
L _{pA}	≤ 76 dBA
Δ	≤ 45° C
K _A	1,5

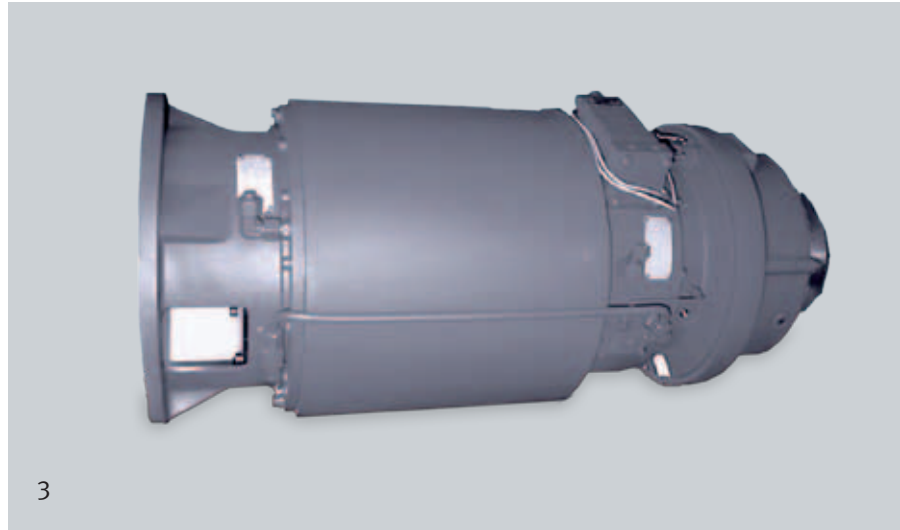
Model sizes of up to 130 kW available

Gearboxes for machine tools

Quality and Precision

3 Two-speed planetary gear, spindle drive

P	60 kW
n_1 max.	6,000 min ⁻¹
i	1 / 4.8
T_2 max.	2,500 Nm
m	241 kg



2 Two-speed control gear, spindle drive

P	37 kW
n_1 max.	6,000 min ⁻¹
i	0.98 / 4.14
T_2 max.	980 Nm
m	270 kg



4 Two-speed right angle gearbox, rotary table drive

P	2 x 60 kW
n_1	3,250 min ⁻¹
i	1.06 / 5.55
T_2 max.	6,000 Nm
m	1,350 kg



Quality and precision – certified to ISO 9001:2008 and ISO 14001:2004 we are able to guarantee precise high quality special gearboxes and drive elements.

We develop and produce gear solutions for many different industries in Sonthofen.

Our customers include manufacturers of machine tools, plastic and rolling machines as well as developers of food and packing machines, test benches and textile machines. But our

high quality drives are also suitable for use in building, printer and paper machinery as well as in the chemical industry.

A high quality, state of the art machine park and absolute care in assembly form the best basis for your and our success.

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